```
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File 248:PIRA 1975-2005/Jan W3
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Set     Items   Description
S1    2188882   IMAGE??
S2     119590   S1(3N)(SEGMENT? OR PARTS OR PARTITION? OR PORTION? OR PART
              OR SECTOR? OR SECTION? OR REGION? OR PIECE? OR FRAGMENT?)
S3       5002   GRAPHIC? AND SYNTHETIC?
S4      29990   (PICTURE? OR PHOTO OR PHOTOGRAPH??) AND NATURAL
S5    7160290   CLASSES OR CLASSIFICAT? OR GROUP??? OR CLASSIFY? OR CLASS
S6     459929   FUZZY()LOGIC? OR NEURAL()NETWORK? OR RULE(3N)BASED
S7    3019622   TEXTURE? OR COLOR? OR COLOUR? OR EDGE? OR VARIANCE OR BIAS
              OR SKEW? OR FITNESS OR EDGE? OR LUMINANCE
S8       4912   EDGE? AND HORIZONT? AND VERTICAL?
S9        391   SGLD OR SPATIAL()(GREY OR GRAY)()LEVEL()DEPENDENC?
S10     20758   (GREY OR GRAY)()LEVEL?
S11   2117571   HISTOGRAM? OR ALGORITHM?
S12     41389   AU=(PRABHAKAR, S? OR CHENG, H? OR FAN, Z? OR HANDLEY, J?  -
              OR  LIN, Y? OR PRABHAKAR S? OR CHENG H? OR FAN Z? OR HANDLEY -
              J? OR  LIN Y?)
S13        12   (IDENTIF? OR DETERMIN? OR DETECT?) AND S3 AND S4
S14         7   S13 AND S5
S15         5   RD S14 (unique items)
S16         1   S12 AND S3 AND S4
S17         0   S16 NOT S15
S18      3803   S2 AND S5 AND S6
S19      1621   S18 AND S7
S20         9   S19 AND S8
S21         9   S20 NOT (S16 OR S15)
S22         5   S21 NOT PY=>2002
```

S23	2	RD S22 (unique items)
S24	48	S19 AND S9
S25	39	S24 AND S11
S26	39	S25 NOT (S20 OR S16 OR S15)
S27	28	S26 NOT PY=>2002
S28	24	RD S27 (unique items)
S29	1	S28 AND (SYNTHETIC OR NATURAL)
S30	85	S3 AND S4
S31	37	S30 AND (S7 OR S8 OR S9 OR S10)
S32	15	S31 AND S5
S33	11	S32 NOT (S25 OR S20 OR S16 OR S15)
S34	10	S33 NOT PY=>2002
S35	7	RD S34 (unique items)

File 348:EUROPEAN PATENTS 1978-2005/Jan W03
(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20050127,UT=20050120
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Set	Items	Description
S1	467309	IMAGE??
S2	62229	S1(3N)(SEGMENT? OR PARTS OR PARTITION? OR PORTION? OR PART OR SECTOR? OR SECTION? OR REGION? OR PIECE? OR FRAGMENT?)
S3	143	GRAPHIC?(3N)SYNTHETIC?
S4	732	(PICTURE? OR PHOTO OR PHOTOGRAPH??)(3N)NATURAL
S5	883759	CLASSES OR CLASSIFICAT? OR GROUP??? OR CLASSIFY? OR CLASS
S6	14169	FUZZY()LOGIC? OR NEURAL()NETWORK? OR RULE(3N)BASED
S7	777416	TEXTURE? OR COLOR? OR COLOUR? OR EDGE? OR VARIANCE OR BIAS OR SKEW? OR FITNESS OR EDGE? OR LUMINANCE
S8	2134	EDGE?(3N)HORIZONT?(3N)VERTICAL?
S9	28	SGLD OR SPATIAL()(GREY OR GRAY)()LEVEL()DEPENDENC?
S10	5240	(GREY OR GRAY)()LEVEL?
S11	135431	HISTOGRAM? OR ALGORITHM?
S12	676	AU=(PRABHAKAR, S? OR CHENG, H? OR FAN, Z? OR HANDLEY, J? OR LIN, Y? OR PRABHAKAR S? OR CHENG H? OR FAN Z? OR HANDLEY J? - OR LIN Y?)
S13	0	(IDENTIF? OR DETERMIN? OR DETECT?)(3N)S3(3N)S4
S14	25413	IC=G06K?
S15	0	S12 AND S9
S16	323	S12 AND S5
S17	63	S16(S)S1
S18	8	S16 AND S14
S19	8	S18 NOT AD=20010928:20050303/PR
S20	13	S2(S)S5(S)S7(S)S8
S21	0	S20(S)S9
S22	0	S20(S)S10
S23	6	S20(S)S11
S24	6	S23 NOT S18
S25	5	S24 NOT AD=20010928:20050303/PR
S26	2	S3(S)S4
S27	2	S26 NOT (S23 OR S18)

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200508
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Set	Items	Description
S1	1229757	IMAGE??
S2	117702	S1(3N)(SEGMENT? OR PARTS OR PARTITION? OR PORTION? OR PART OR SECTOR? OR SECTION? OR REGION? OR PIECE? OR FRAGMENT?)
S3	664	GRAPHIC? AND SYNTHETIC?
S4	5973	(PICTURE? OR PHOTO OR PHOTOGRAPH??) AND NATURAL
S5	1015178	CLASSES OR CLASSIFICAT? OR GROUP??? OR CLASSIFY? OR CLASS
S6	13691	FUZZY()LOGIC? OR NEURAL()NETWORK? OR RULE(3N)BASED
S7	1847787	TEXTURE? OR COLOR? OR COLOUR? OR EDGE? OR VARIANCE OR BIAS OR SKEW? OR FITNESS OR EDGE? OR LUMINANCE
S8	31692	EDGE? AND HORIZONT? AND VERTICAL?
S9	4	SGLD OR SPATIAL()(GREY OR GRAY)()LEVEL()DEPENDENC?
S10	2595	(GREY OR GRAY)()LEVEL?
S11	41980	HISTOGRAM? OR ALGORITHM?
S12	4011	AU=(PRABHAKAR, S? OR CHENG, H? OR FAN, Z? OR HANDLEY, J? - OR LIN, Y? OR PRABHAKAR S? OR CHENG H? OR FAN Z? OR HANDLEY - J? OR LIN Y?)
S13	2	(IDENTIF? OR DETERMIN? OR DETECT?) AND S3 AND S4
S14	4	S9 NOT S13
S15	2	S12 AND S3 AND S4
S16	0	S15 NOT (S9 OR S13)
S17	1590	S2 AND S5 AND S7
S18	2	S17 AND S8 AND S10
S19	2	S18 NOT (S9 OR S13)
S20	2	S19 NOT S15
S21	4	S17 AND SYNTHETIC? AND NATURAL
S22	3	S21 NOT (S19 OR S15 OR S9 OR S13)
S23	3	S2 AND S3 AND S4
S24	2	S23 NOT (S9 OR S13 OR S15 OR S19 OR S21)

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1 **Learning to detect natural image boundaries using local brightness, color, and texture cues**

Martin, D.R.; Fowlkes, C.C.; Malik, J.;

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 26 , Issue: 5 , May 2004

Pages:530 - 549

[Abstract] [PDF Full-Text (5245 KB)] IEEE JNL

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2 **Forward-and-backward diffusion processes for adaptive image enhancement and denoising**

Gilboa, G.; Sochen, N.; Zeevi, Y.Y.;

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Jianping Fan; Xingquan Zhu; Lide Wu;

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1 2 3 4 5 Next

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2	BRS	L2	12	1 same ((edge or contour) same (color or colour) same texture)	USPAT
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6	BRS	L6	3984	(image or picture or video) with classif$8	DERWENT
7	BRS	L7	3	6 same ((edge or contour) same (color or colour) same texture)	DERWENT
8	BRS	L8	4828	(image or picture or video) with classif$8	US-PGPUB
9	BRS	L9	19	8 same ((edge or contour) same (color or colour) same texture)	US-PGPUB
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3	BRS	L3	2	(binary with classif$6) and (neural adj2 network)	DERWENT
4	BRS	L4	1	(binary with classif$6) and (neural adj2 network)	JPO
5	BRS	L5	0	(binary with classif$6) and (neural adj2 network)	IBM_TDB